Immunology and Cell Biology (1997) **75**, 621–622

Author Index

Ablin R. J. 181
Ada G. L. 360
Agarwal A. 245
Albala C. 351
Aldwell F. E. 161
Altin J. G. 430
Andersen P. 595
Asano T. 154, 472
Ashman L. K. 259
Atkins G. J. 259
Attfield D. C. 96
Aversa G. 202

Basten A. 446
Bermudez L. E. 35
Bernard C. C. A. 409
Biggs J. C. 289
Bishop G. A. 142
Black C. A. 65
Blackmore T. K. 508
Blanck G. 325
Blanden R. V. 82
Blaszczyk-Thurin M. 397
Bogdanovski M. 253
Bollen A. 136
Bout D. T. 511
Boyd G. W. 503
Bradbury M. G. 497
Buddle B. M. 161

Calcinaro F. 467
Calvillán M. 351
Carballido J. 202
Carnegie P. R. 484
Carpenter E. 554
Carrasco E. 351
Chang C-C. J. 202
Chaudhri G. 528
Chen Y-P. 238
Clements J. E. 389
Cocks B. G. 202
Coombe D. R. 259
Cowden W. B. 409
Cummins A. G. 419

Dandie G. W. 238
Davies J. M. 113
de Vries J. E. 202
DeCruz D. J. 142
Deng H. 397
Dimier I. H. 511
DiNatale S. 364
Doi K. 154, 472
Doolan D. L. 376
Drew D. 364
Dunstan S. J. 364

Elhay M. J. 595
Elliot J. 333
Ertl H. C. J. 397

Falconer J. 231
Favila-Castillo L. 318
Fidler S. J. 148
Firez N. 364
Fordham S. A. 409
Foster P. S. 284
Fray L. 554
Fujii T. 568
Fulcher D. A. 446

Gambelunghe G. 467
Garlepp M. J. 356
Gautam A. M. 69
Geshi Y. 340
Good M. F. 318
Gordon D. L. 508
Gormley E. 554
Gowans E. J. 259
Grooby W. L. 21, 546
Gupta S. K. 245

Hall A. L. 231
Hardy K. 528
Hashimoto K. 193
Hashimoto N. 154, 472
Hauser T. 202
Hayakawa J. 154, 472
Hayball J. D. 148
Haynes J. R. 389
He Z. 397
Hedstrom R. C. 376
Heydenburg Fuller D. 389
Higgs N. H. 508
Hirunpetcharat C. 318
Hobart P. 376
Hodgkin P. D. 604
Hoffman S. L. 376
Hogan S. P. 284
Hoyne G. F. 197

Iba Y. 217
Icaza G. 351
Inaba K. 206
Inumary S. 515

Johnson G. 580
Jolly C. J. 13
Joyce D. A. 345

Kalinna B. H. 370
Karasuyama H. 209
Keogh M-C. 333
Keren D. F. 47
Khuller G. K. 461
Kimura H. 472
Kitamura F. 209
Klinman D. M. 376
Kloda A. 345
Kokuho T. 515
Koskinen A. 284
Koulmanda M. 303
Kovarik J. 303
Krishnan R. 21, 546
Kuida K. 209
Kumar A. 376
Kumar V. 245
Kunisada S. 568
Kuno S. 340
Kuramochi T. 209
Kurosawa Y. 193, 217

Lafferty K. J. 467
Lake R. A. 148, 333
Lamb J. R. 148, 197
Le T. P. 376
Lefkowitz D. L. 136
Lefkowitz S. S. 136
Leong C. C. 356
Leong K. H. 382
Lightowlers M. W. 41
Lincoln J. A. 136
Lobo P. I. 267
Loh S. 356
Lowes M. 142
Lowrie D. B. 591
Lu Y. 325
Lugg D. J. 275
Lumanglas A. L. 29
Lyons A. B. 7

Mabuchi A. 575
Macardle P. J. 478
Maguire D. 409
Mahvi D. M. 446
Mandel T. E. 303
Marley J. V. 356
Martin J. L. S. 351
McCaughan G. W. 142
McGuinness P. H. 142
Mercieca J. 364
Miller B. F. 47
Mine O. M. 484
Misra R. 190
Moguilevsky N. 136
Monroy-Ostria A. 318
Montelaro R. C. 389
Mori H. 340
Mukherjee S. 190
Müllbacher A. 310
Muller H. K. 238, 275
Murphey-Corb M. 389

Nag B. 295
Nagata K. 209
Naiki M. 154
Nakamura T. 209
Napoli J. 142
Nayak B. P. 245
Ni K. 223
Noguchi A. 472
Norman J. A. 376
Norton T. 333
Nossal G J. V. 584

O'Brien P. 289
Ogura A. 154, 472
Olive C. 102
Oliver A. R. 47

Omwandho C. A. 231
O'Neill E. R. 523
O'Neill H. C. 13, 223

Palliser D. 148
Panicali D. L. 389
Parish C. R. 497, 523
Pasquini S. 397
Patel H. C. 267
Perèz-Bravo F. 351
Petrofsky M. 35
Pierson D. L. 275
Pietersz G. A. 253
Price P. 1
Punnonen J. 202

Qiao M. 259
Qui M. R. 497

Raghuvanshi P. 190
Raison R. L. 127, 561
Ramsay A. J. 360, 382
Ramshaw I. A. 360, 382, 409
Rao K. V. S. 245
Rearick C. 47
Rees A. D. M. 148
Roberts T. 231
Robinson B. W. S. 356
Rokahr K. L. 142
Rothel J. S. 41
Rothenfluh H. S. 82
Russ G. R. 21, 546

Sadlon T. A. 508
Santos J. L. 351
Sasamori Y. 340
Scheller L. 376
Schmidt B. J. 325
Sedegah M. 376
Seledtsov V. I. 176
Seledtsova G. V. 176
Seow H-F. 41
Shah S. 190
Sheehy M. J. 446
Shibata S. 154, 472
Shishodia S. 492
Shrivastava A. 492
Silbart L. K. 47
Silva C. L. 591
Simmons C. P. 364
Simmons R. D. 54
Simpson L. 389
Sinha R. 461
Sloan E. K. 430
Smith N. C. 318
Smith G. M. 289
Smythe A. 289
Sodhi A. 492
Staykova M. A. 54
Steele E. J. 82
Steer J. H. 345
Stefano Cole K. 389
Stein-Werblowsky R. 181
Stowe R. 275
Strugnell R. A. 41, 364
Suhrbier A. 402

Takahashi M. 575
Takahashi Y. 340
Talwar G. P. 184, 190
Tangye S. G. 127, 561
Tascon R. E. 591
Taylor-Robinson A. W. 167
Thompson F. M. 419
Tian Z-G. 29
Tingate T. R. 275
Tschickardt M. E. 325
Tuteja R. 245

Uchimura A. 515

Vadolas J. 41, 364
Van Kruiningen H. J. 47
Vijayakrishnan L. 245

Wang B. S. 29
Wang R. 376
Wang Y. 397
Ward H. M. 508
Watari E. 575
Waterkeyn J. G. 41
Wedlock D. N. 161
Weenink S. M. 69
Wenjun L. 253
Weston K. M. 561
Willenborg D. O. 54, 409
Weiss W. R. 376
Wong W-Y. 142
Wood P. R. 41
Woods G. M. 238
Wu T. T. 580
Wuttke N. J. 478

Xiang Z. 397

Yamamoto T. 340
Yang N-S. 446
Yanmei L. U. 325
Yokomuro K. 575
Yu S. C. T. 295

Zhang R-J. 29
Zola H. 478, 587

Immunology and Cell Biology (1997) **75**, 623–625

Subject Index

2-acetyl-4-tetrahydroxybutyl imidazole; and sequestration of lymphocytes in non-lymphoid tissues 497
α-chain; V-genes of, estimating number of receptors for 580
Abstracts
  9th International Congress of Mucosal Immunology A1
  Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand A139
aflatoxin B_1; mucosal unresponsiveness to 47
allergic encephalomyelitis; modulation of, by immunization with γδ T cell receptor specific peptide (Brief Communication) 102
allograft rejection; Th1 and Th2 cytokine expression correlates with 303
anal cancer; sexual behaviour and (Theoretical Article) 181
Antarctic; isolation, immune and viral studies during 275
antibody responses; development in the infant of 587
antigen
  presentation by MHC class II molecules (Review) 69
  valence theory; and the evolution of the human immune response 604
apoptosis; of leukaemic $CD5^+$ B cells, human cytokine suppression of 127
artificial antibodies; comparison of strategies for the construction of libraries of 217
autoimmune
  disease
    epitope mimicry in the induction of (Review Article) 113
    evolution-based hypothesis on the origin of (Theoretical Article) 503
  encephalomyelitis
    infusion of soluble myelin basic protein protects against 54
autoimmunity and the highway to diabetes (Commentary) 1

B cells
  a function for CD2 on 333
  blood group antibodies made by 478
  chronic lymphocytic leukaemia; role of cytokines in 561
  development; role of preB cell receptor in 209
  differentiation factors, produced by parenchymal liver cells 575
  human cytokines suppress apoptosis of leukaemic $CD5^+$ 127
  life span of 446
  pertussis toxin pretreatment alters the in vivo cell division behaviour and survival of 7
  responses to a peptide epitope 245
β-chain; V-genes of, estimating number of receptors for 580
bacteria; DNA vaccines against 364
bactericidal activity; enhancement of, by macrophage-mannose receptor–ligand interaction 136
blood group antibodies; made by $CD5^+$ and $CD5^-$ B cells 478
book reviews 107, 414, 519, 619
breast feeding; postnatal changes in mucosal response as a result of (Review Article) 419
bronchial hyperreactivity; role of IL-5 and eosinophils in 284

cancer
  DNA vaccines against 456
  hormone-dependent, vaccines for control of 184
CD2 function on B cells 333
$CD4^+CD8^+$; characterization of, in SCID-*bg* mice 472
CD4-dependent activation of T cell clones 148
CD45; role of, in T cell activation 430
cDNA cloning of porcine interleukin-2 receptor-a gene 515
cell survival following pertussis toxin treatment 7
cellular immunity
  (Corrigendum) 324
  the final paradigm? (Theoretical Article) 96
cellular responses; of cattle immunized with *M. bovis* BCG 554
cloning; of the human complement factor H gene promoter (Brief Communication) 508
complement; component degradation in the hagfish 568
complex proteins; regulation of the expression of, in *M. avium* 35
contraception; role of plant immunomodulators in 190
costimulatory molecules; and cytokines as genetic adjuvants 397
cytokines
  mRNA quantification in liver biopsy by PCR 142
  and costimulatory molecules as genetic adjuvants 397
  and cross-linking of sIgM in the activation of human leukaemic $CD5^+$ B cells 561
  human, and suppression of apoptosis of leukaemic $CD5^+$ B cells 127
  Th1 and Th2, expression correlates with allograft rejection 303

dendritic cells as APC *in vivo* 206
Dermatophilus congolensis; PCR cloning of a serine protease of 484
dexamethasone; suppresses release of soluble TNF receptors by human monocytes 345
diabetes
  autoimmune, adjuvant therapy protective against 467
  autoimmunity and (Commentary) 1
DNA
  immunization (Overview) 360
  vaccines
    against malaria 376
    against tuberculosis 591
    against virus infection 382
    for bacterial infections 364
    for parasitic infections 370
    multi-epitope 402

endothelial cells
  endothelin-1 release, in pre-eclampsia 340
  sheep, inhibition of adhesion and proliferation of 546
eosinophils; airway damage and bronchial hyperreactivity induced by IL-5 and 284
evolution; hypothesis on the origin of autoimmune disease based on (Theoretical Article) 503

fertility; vaccines for control of 184
fusion protein; GM-CSF-PE40, functional activity of 289

γδ T cell receptor; modulation of allergic encephalomyelitis by immunization with a peptide specific for (Theoretical Article) 102
gene gun; approach to DNA cancer vaccines 456

genetic adjuvants; cytokines and costimulatory molecules as 397
granulocyte/macrophage colony stimulating factor-PE40; is functionally active but not cytotoxic 289
growth hormone and monoclonal antibody interaction 29

hagfish; degradation of component C3 of 568
hepatitis B; binding to leucocyte plasma membranes 259
human complement factor H gene promoter; cloning and analysis of (Brief Communication) 508

idarubicin; tumour eradication with anti-Ly-2.1 conjugated to 253
IgG
  isotypes; differences in, may affect antibody effector activity 267
  role in determining immune response type (Theoretical Article) 176
  and immunity to *P. berghei* (Brief Communication) 318
IgM role in determining immune response type (Theoretical Article) 176
immune response
  humoral, antigen valence theory to explain evolution of the 604
  mucosal, during breast feeding and weaning (Review Article) 419
  primary, multiple levels of selection during maturation of 245
  role of pre-existing IgM/IgG antibodies in determining type of (Theoretical Article) 176
  to murine malignant mesothelioma (Brief Communication) 356
immunity
  adaptive, dependence of, on innate immunity (Commentary) 523
  Antarctic isolation effects on 275
  innate, dependence of the adaptive immune response on (Commentary) 318
  to *P. berghei* (Brief Communication) 318
immunization; global, in the 21st century 584
immunoglobulin V(D)J genes; antigen-driven somatic hypermutation in mice (Theoretical Article) 82
immunoglobulins
  history of the discovery of (Review) 65
  origin of the nomenclature of (Review) 65
  ovine placental bound, elution and characterization of 231
immunoregulation of T cell function in mucosal tolerance 197
immunosuppression; via chemical carcinogen or UVB-altered skin 238
infant; immune responses of the 587
insulin-dependent diabetes mellitus; statistical models used in the calculation of prevalence of (Theoretical Article) 351
interferon-γ
  and LPS is required for enhanced growth inhibition of virulent *M. bovis* but not *M. bovis* BCG 161
  human intestinal epithelial cells activated by, and inhibition of *T. gondii* replication 511
  inducibility of class II transactivator lacking in human tumour lines (Research Article) 325
interleukin-10; role of, in protection from autoimmune diabetes 467
interleukin-2
  receptor- α gene of, cDNA cloning of 515
  nitric oxide inhibition of production of 167
interleukin-4; role of, in protection from autoimmune diabetes 467
interleukin-5; airway damage and bronchial hyperreactivity induced by eosinophils and 284

LPS; and IFN-γ requirement for enhanced growth inhibition of virulent *M. bovis* but not *M. bovis* BCG 161
lymphocytes
  bovine, cellular, and *M. bovis* BCG growth inhibition of 554
  sequestration of, by 2-acetyl-4-tetrahydroxybutyl imidazole 497

macrophages
  bone marrow-derived, cisplatin stimulated secretion of oncostatin M by 492
  -mediated bactericidal activity enhancement by macrophage-mannose receptor–ligand interaction 136

malaria; DNA vaccines against 376
MAP kinases; activation and signal transduction via, in T lymphocytes 528
mesothelioma; induction of immune responses to, by IL-2 gene transfer (Brief Communication) 356
MHC and primordial T cell receptor functionality 193
MHC class I; a protease in its own right (Theoretical Article) 310
MHC class II; antigen presentation by (Review) 69
molecular mimicry; can epitope mimicry induce autoimmune disease? (Review Article) 113
monoclonal antibodies
  antibody effector activity and differences in isotypes of 267
  inhibiting adhesion and proliferation between sheep endothelial and mononuclear cells 546
  interaction with growth hormone 29
mucosal tolerance; regulation of T cell function in 197
mucosal unresponsiveness to aflatoxin B1 and the effect of cholera toxin 47
multi-epitope DNA vaccines 402
Mycobacterium avium; regulation of the expression of complex proteins of 35
Mycobacterium bovis
  BCG, growth inhibition of bovine lymphocytes following immunization with 554
  role of IFN-γ and LPS in enhanced growth inhibition of 161
Mycobacterium tuberculosis; secretory protein of, protective efficacy against tuberculosis (Research Article) 461
myelin basic protein and protection against induction of experimental autoimmune encephalomyelitis 54

nitric oxide inhibition of IL-2 production 167
nucleic acid
  immunization, of macaques against SIV 389
  vaccination, of sheep against *T. ovis* 41

oncostatin M; cisplatin-stimulated bone marrow-derived macrophages secreting 492
opsonins; hepatitis B virus binding to leucocyte plasma membranes does not require receptors for 259

parasites; DNA vaccines against 370
parenchymal liver cells; production of B cell differentiation factors by 000
PCR; see polymerase chain reaction

pertussis toxin; effects on *in vivo* B cell division behaviour and survival 7
placenta; ovine, characterization of immunoglobulin bound to 231
plant immunomodulators for termination of unwanted pregnancy and contraception 190
plasma membranes; hepatitis B virus binding to 259
Plasmodium berghei; spleen, IgG antibody subsets and immunity to (Brief Communication) 318
polymerase chain reaction
  amplification of cytokine mRNA in liver biopsy specimens 142
  cloning of a *D. congolensis* serine protease antigen 484

pre-eclampsia; effects of anti-endothelial cell antibody in 340
preB cell receptor; roles of, in early B cell development and signal transduction 209
protein tyrosine kinases; differential expression of 295

retinoblastoma protein; rescue of IFN-γ inducibility of the HLA class II genes relevance to (Research Article) 325

SCID mice; TCRβ-independent development of $CD4^+$ $CD8^+$ thymocytes in 154
SCID-*bg* mice; characterization of $CD4^+CD8^+$ thymocytes in 472
sexual behaviour and increased sexual cancer (Theoretical Article) 181
sheep umbilical vein endothelial cells compared to HUVEC 21
signal transduction; roles of preB cell receptor in early B cell development and its 209
simian immunodeficiency virus; gene-gun based nucleic acid immunization against 389
SLAM and its role in T cell activation and Th cell responses 202
somatic hypermutation; mechanisms of antigen-driven (Theoretical Article) 82

T cell
  activation
    and signal transduction via MAP kinases in 582
    role of dendritic cells in (Review Article) 223
    SLAM and its role in 202
  anergized, expression of protein tyrosine kinases and phosphorylation in 295
  clones; tandem peptide epitopes facilitate CD4-dependent activation of 148
  function regulation in mucosal tolerance 197
  receptor
    method for estimating the number of 580
    primordial, and MHC molecule functionality 193
    TCR Vβ8.2 gene transcription in lymphoid tissues 13
  role of CD45 and CD45-associated molecules in activation of 430
Taenia ovis; nucleic acid vaccination of sheep against 41
TCRβ-independent development of $CD4^+$ $CD8^+$ thymocytes in SCID mice 154
Th cell; SLAM and its role in the responses of 202
Th1 cell; self-regulatory mechanisms for the proliferation of 167
Toxoplasma gondii; inhibition of replication of, in IFN-γ-activated human intestinal epithelial cells 511
transcription of the unrearranged *TCR Vβ8.2* gene in lymphoid tissues 13
tuberculosis
  DNA vaccines against 591
  immunological requirements for a subunit vaccine against 595
  protective efficacy of a *M. tuberculosis* secretory protein against (Research Article) 461
tumour necrosis factor-α
  receptors, dexamethasone suppresses release of 345
  tumour eradication with idarubicin-anti-Ly-2.1 and 253
tumour; high-dose idarubicin-anti-Ly-2.1 and TNF-α eradication of a 253

umbilical vein endothelial cells; characterization and comparison of sheep and human 21
UVB-altered skin; down-regulation of immune response via 238

vaccines
  against tuberculosis, immunological requirements for 595
  cancer, gene gun approaches to 456
  DNA, against tuberculosis 591
  for control of fertility and hormone-dependent cancers 184
  in the 21st century 584
  nucleic acid, against *T. ovis* 41
vaccinia virus; recombinant, in immunization of macaques against SIV 389
VCAM-1; monoclonal antibodies, inhibiting adhesion and proliferation between sheep endothelial and mononuclear cells 546
viruses; DNA vaccination against 382